

Ideation Phase

Define the Problem Statements

Date	18.10.2022
Team ID	PNT2022TMID06212
Project Name	Emerging methods for early detection of forest fires
Maximum Marks	4 Marks

Who does the problem affect?	It affects the environment, the people in the surroundings and the flora and fauna in the forest.
What is the issue?	<ul style="list-style-type: none"> • The increasing frequency and severity of wildfires pose a growing threat to biodiversity globally. • Individuals, companies and public authorities bear great economic costs due to fires. • Fire can be deadly, destroying homes, wildlife habitat and timber, and polluting the air with emissions harmful to human health. • Fire also releases carbon dioxide—a key greenhouse gas—into the atmosphere which leads to global warming.
When does the issue occur?	<ul style="list-style-type: none"> • Forest fires are usually seasonal. • They usually start in the dry season and can be prevented by adequate precautions. • It can also occur due to climatic changes.
Where is the issue coming?	<ul style="list-style-type: none"> • It can be caused due to lightning, human carelessness, arson, volcano eruption, and pyroclastic cloud from active volcano. • Heat waves, droughts, and cyclical climate changes can also have a dramatic effect on the risk of wildfires.
Why is it important that we fix the problem?	<ul style="list-style-type: none"> • Forest fires are a major environmental issue, creating economic and ecological damage while endangering human lives. • Forests play a very important role in our ecosystems and without forests we would not be able to exist in this world.